TECHNICAL SPECIFICATIONS

City of Piedmont SPLASH PAD

A. All materials shall be in conformance with the City Standards, Uniform Building Codes, Uniform Plumbing Codes, Uniform National Plumbing Codes, and all other applicable codes and ordinances that govern the type of work.

B. All products or items described herein shall be new, unless otherwise specified and shall be from the specified manufacturer or approved equal. Products shall be complete in all respects and in perfect working order.

C. All mechanical systems are to be prefabricated, pre-plumbed, pre-wired and pre-tested as provided by the specified manufacturer or approved equal.

A. Materials List
   1. Complete materials list shall be submitted prior to ordering or performing any work. Materials list shall include manufacturer's name, product name, specifications, finishes and description of all materials and equipment to be used.

B. Equipment, Operation and Maintenance Manuals (to be provided prior to system start-up)
   1. Prepare and deliver manual with the following information to the Construction Manager
      i. Complete operations and maintenance instructions on all products.

C. The aquatic play products shall be suitable for installation in municipal and commercial aquatic facilities and public play areas.

D. The Equipment Supplier shall have previously supplied splash pad system design, drawing and equipment, similar in size and complexity to the specified project.

MATERIAL MANUFACTURER WARRANTY

A. Warranty: Product warranty on all mechanical system components shall be a one year warranty against defects in workmanship and materials. Product warranty on all structures shall be a twenty five year warranty against defects in workmanship and materials. Warranty period starts from date of shipment. Warranties exclude normal wear and tear, abuse, improper installation and maintenance.

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PLAINTIFF'S EXHIBIT
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WATER PLAY FEATURES:

Water Wagon Qty 1

The Water Wagon is a 12' long structure with (4) 7' – 8' Canopy Ribs made of rolled 304 stainless steel tubing structures with a total of (20) spray nozzles. Each Canopy Rib will consist of (5) spray nozzles with water emitting a sheeting water fan effect at an angle from a ½" spray nozzle. Water Feature structure is set in footing detail and concrete. Water Feature flow rate can be adjusted between 16 – 32 GPM'S to increase/decrease the desired flow rate. The manufacturer shall supply a complete structure package including: wagon structure, anchoring system, gaskets, fasteners, and hardware.
Structure: Structure to have (3) components: tubular structure, wagon wheels and, side board. These individual components to be assembled in the field with stainless steel hardware, tamper proof stainless steel fasteners and gaskets supplied by the manufacturer.
Angles, edges, cutouts and components will be *Design Build*. .
Tubular Structure: Structure shall be 304 stainless steel 2 ½" O.D. tubing set in footing detail and concrete. There will be weld tabs on tubing to attach wagon wheels and side boards.
Wagon Wheel Design: The wagon wheels to be constructed of polymer with accented spokes with stainless steel mounting brackets and assembly hardware.
Side Board: Side Board to be fabricated from Trex or Polymer. Side Boards will be a two-piece fabrication with tamper proof stainless steel fasteners for securing side board to tubular structure.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish coat to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Wind Mill Qty 1

The Wind Mill is a 12' tall structure with a 4' x 4' base with a polymer sheeting that prevents climbing, a water spout that pours onto a functional 20" water wheel turning it emitting falling water. Water Feature is set in a footing detail and concrete. Water Feature flow rate can be adjusted between 9 – 27 GPM'S to increase/decrease the desired flow rate. The manufacturer shall supply a complete structure package including: windmill structure, anchoring system, gaskets, tamper-proof stainless steel fasteners, and stainless steel hardware.
Structure: Structure to have (3) components: tubular structure, wind mill wheel and frame housing. These individual components to be assembled in the field with stainless steel tamper proof hardware and gaskets supplied by the manufacturer.
Angles, edges, cutouts and components will be *Design Build*.
Tubular Structure: Structure shall be a stainless steel frame made of 2" tubing set in footing detail and concrete. There will be weld tabs on tubing to attach wheel and frame housing.
Wind Mill Wheel Design: The windmill wheel to be constructed of polymer with paddles on a 304 stainless steel axel, brass bushings, stainless steel mounting brackets and stainless steel assembly hardware. Weather vane to be constructed of polymer and is set in a permanent fixed position.

Frame Housing: Frame housing to be fabricated from Polymer or FRP. Frame Housing to be a four-piece fabrication set 12" above concrete grade with tamper-proof stainless steel fasteners for securing frame Housing to tubular structure. Frame Housing will have the appearance of cross members without being able to climb
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Water Tower Qty 1
The water tower standard structure height is a 13 ½' tall structure with a 4' x 4' wide base and a water tank that has a 1 ½" supply line to shower spout that has a spray radius up to 12' in diameter. The water tank (top of structure) is constructed from FRP. The base has 4 ½" O.D. 304 stainless steel tubing that supports the water tank. Water Feature structure is set in footing detail and concrete. Water Feature flow rate can be adjusted between 10 - 20 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete structure package including: water tower, anchoring system, gaskets, tamper-proof stainless steel fasteners, and stainless steel hardware.
Structure: Structure to have (2) components: tubular structure and water tank. These individual components to be assembled in the field with tamper-proof stainless steel fasteners, stainless steel hardware and gaskets supplied by the manufacturer.
Angles, edges, and components will be *Design Build*.
Tubular Structure: Structure shall be a 4 ½" O.D. 304 stainless steel pipe that is set in concrete. There will be stainless steel mounting brackets on tubing to attach water tank.
Water tank: The water tank to be constructed of FRP with stainless steel mounting brackets and stainless steel assembly hardware.
Mounting System: Structure to be anchored 36" below grade set in rebar and concrete footing.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Tee Pee Silhouette Qty 1
The Tee Pee is a two-sided silhouette is constructed on a 2 ½" O.D. tubular frame with a spray nozzle on top of the structure. Attached to the structure are artistic and decorative accent panels. Feature standard height is 9½' tall – 9' wide. Feature structure is mounted directly in a concrete footing. Feature flow rates can be adjusted between 8 – 24 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: 304 stainless steel tubular pipe structure, anchoring system, gasket and tamper-proof stainless steel fasteners.
Structure: Structure to have (2) components: tubular structure, tee pee silhouette. These individual components to be assembled in the field with tamper proof stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.

Tubular Structure: Structure shall be 2 ½" O.D. 304 stainless steel tubing set in 24" x 16" footing detail and concrete. There will be weld tabs on tubing to attach tee pee silhouette.
Tee Pee Structure: The tee pee silhouette will be a two-sided silhouette to be constructed of polymer with tamper-proof stainless steel assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Simpson Grain Elevator Silhouette Qty 1
The Simpson Grain Elevator Silhouette is constructed on a 2 ½" O.D. 304 stainless steel tubular frame with a 2" tubular stainless steel pipe emitting a cascading waterfall over doorway. Attached to the structure are artistic and decorative accent panels. Feature standard height is 14' – 8' in width w/ a 3' x 6' door opening. Feature structure is mounted directly in a concrete footing. Feature flow rates can be adjusted between 5 – 24 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gasket and tamper-proof stainless steel fasteners.
Structure: Structure to have (2) components: tubular structure, Simpson Grain Elevator (2) Sided Silhouette. These individual components to be assembled in the field with tamper proof stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.
Tubular Structure: Structure shall be 2 ½" O.D. 304 stainless steel tubing set in two 24" x 36" footing detail and concrete. There will be weld tabs on tubing to attach Simpson Grain Elevator Silhouette.
Silhouette Structure: The Simpson Grain Elevator Silhouette will be a two-sided silhouette constructed of polymer with tamper-proof stainless steel assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Olde Town Store Silhouette Qty 1
The Olde Town Store Silhouette is constructed on a 2 ½" O.D. 304 stainless steel tubular frame with a 2" tubular stainless steel pipe emitting a cascading waterfall over doorway. Attached to the structure are artistic and decorative accent panels. Water feature is 10' – 16' in width w/ (2) 3' x 6' door openings. Water Feature structure is mounted directly into concrete footing. Water feature flow rates can be adjusted between 6 – 20 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: 304 stainless steel tubular pipe structure, anchoring system, gaskets, tamper-proof stainless steel fasteners and stainless steel assembly hardware.
Structure: Structure to have (2) components: tubular structure, Olde Town Store (2) Sided Silhouette. These individual components to be assembled in the field with tamper-proof stainless steel fasteners, stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.

Tubular Structure: Structure shall be a 2 ½" O.D. 304 stainless steel tubing set in (2) 24" x 36" footing detail and concrete. There will be weld tabs on tubing to attach Olde Town Store Silhouette.
Silhouette Structure: The Olde Town Store Silhouette will be a two-sided silhouette constructed of polymer with tamper-proof stainless steel fasteners and stainless steel assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Piedmont State Bank Silhouette Qty 1
The Piedmont State Bank Silhouette is constructed on a 2 ½" O.D. 304 stainless steel tubular frame with a 2" stainless steel pipe emitting a cascading waterfall over doorway. Attached to the structure are artistic and decorative accent panels. Feature standard height is 12' – 8' in width with a 3' x 6' door opening. Water Feature structure is mounted directly in concrete footing. Water feature flow rates can be adjusted between 6 – 20 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gaskets, tamper-proof stainless steel fasteners and stainless steel assembly hardware.
Structure: Structure to have (2) components: tubular structure, Piedmont State Bank (2) Sided Silhouette. These individual components to be assembled in the field with tamper-proof stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.
Tubular Structure: Structure shall be a 2 ½" O.D. 304 stainless steel tubing set in (2) 24" x 36" footing detail and concrete. There will be weld tabs on tubing to attach Piedmont State Bank Silhouette.
Silhouette Structure: The Piedmont State Bank Silhouette will be a (2) sided silhouette constructed of polymer with tamper proof stainless steel assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Engine Silhouette Qty 1
The Engine Silhouette is constructed on a 2 ½" O.D. 304 stainless steel tubular frame. This feature spray effect will incorporate ground spray geysers. Attached to the structure are artistic and decorative accent panels. Water feature standard height is 4' – 8' 5 ¼" in width. Water Feature structure is mounted directly in concrete footing. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gaskets and tamper-proof stainless steel fasteners.
Structure: Structure to have (2) components: tubular structure, Engine (2) Sided Silhouette. These individual components to be assembled in the field with tamper-proof stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.

Tubular Structure: Structure shall be a 2 ½" O.D. stainless steel tubing set in (2) 18" x 24" footing detail and concrete. There will be weld tabs on tubing to attach Engine Silhouette.
Silhouette Structure: The Engine Silhouette will be a (2) sided silhouette constructed of polymer with tamper proof stainless steel assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Caboose Silhouette Qty 1
The Caboose Silhouette is constructed on a 2 ½" O.D. 304 stainless steel tubular frame. This feature spray effect will incorporate ground spray geysers. Attached to the structure are artistic and decorative accent panels. Feature standard height is 4' – 8' in width. Feature structure is mounted directly in a concrete footing. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gasket and tamper proof stainless steel fasteners.
Structure: Structure to have (2) components: tubular structure, Caboose two – sided Silhouette. These individual components to be assembled in the field with tamper-proof stainless steel fasteners, stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Angles, edges, cutouts and components will be *Design Build*.
Tubular Structure: Structure shall be 2 ½" O.D. 304 stainless steel tubing set in two 18" x 24" footing detail and concrete. There will be weld tabs on tubing to attach Caboose Silhouette.
Silhouette Structure: The two-sided Caboose Silhouette will be constructed of polymer with tamper proof stainless steel fasteners and stainless steel hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Rail Road Crossing Qty 1
The Rail Road Crossing is a 7' tall feature constructed of 4 ½" O.D. 304 stainless steel tubular post. Attached to the structure are artistic and decorative accent panels. There will be low voltage power to operate lights.
Rail Road Crossing Design: Structure to have (3) components: Tubular Post, Rail Road Crossing Panels, and Flashing lights. These individual components to be assembled in the field with tamper-proof stainless steel fasteners, stainless steel hardware and gaskets supplied by the manufacturer.
Angles, edges, cutouts and components will be *Design Build*
Tubular Post: Feature shall be a 4" O.D. 304 stainless steel tubular post set 16" x 20" footing detail in concrete. The light housing will be fabricated to the tubular post. There will be weld tabs on tubular post for Rail Road Crossing assembly.
Rail Road Crossing Signs: The Rail Road Crossing Signs to be constructed of polymer with artistic and decorative accent panels (To Imitate R&R Crossing). Will include tamper-proof stainless steel fasteners, stainless steel mounting brackets and stainless steel assembly hardware.

Flashing Lights: Flashing Lights will be low voltage Blinking Red LED lighting package. Flashing Lights will have an accessible polymer housing cover (Maintenance Access) with tamper-proof stainless steel security fasteners for securing light cover to housing.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Aqua Horse Qty 1
The Aqua Horse is a 2 – Zone Water Feature constructed of 4" O.D. 304 stainless steel tubing. Water Feature standard structure height is 8' at the top of the Aqua Horse Head and 6' at the top of the Aqua Horse Backside. The Aqua Horse has (9) spray nozzles with water emitting a sheeting water fan effect at an angle from ½" spray nozzles, (1) nozzle which sprays from the water features mouth. Flow rates can be adjusted to the Aqua Horse Head from 1 – 5 GPM'S, and from the main body 7 – 15 GPM'S to increase/decrease the flow rate. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gasket and tamper-proof stainless steel fasteners.
Structure: Structure to have (1) component: tubular structure with horse head.
Tubular Structure: Structure shall be 4" O.D. 304 stainless steel tubing set 16" x 20" footing detail in concrete.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Fiddle Spray Qty 1
The Fiddle Spray is a 13' tall Structure constructed from 6" O.D. 304 stainless steel tubing with a total of 4 spray nozzles that emits a sheeting water fan effect at an angle from a ½" spray nozzle with a 5' spray radius. Water Feature flow rates can be adjusted between 5 – 20 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gasket and tamper-proof stainless steel fasteners.
Structure: Structure to have (3) components: tubular structure, tubular fabricated cowboy hat, and bottom mounting fiddle. These individual components to be assembled in the field with tamper-proof stainless steel hardware and gaskets supplied by the manufacturer.
Angles and components will be *Design Build*.
Tubular Structure: Structure shall be a 6" O.D. 304 stainless steel tubing set 16" x 22" footing detail in concrete. There will be weld tabs on tubing to attach fiddle.
Cowboy hat: The Cowboy hat to be constructed of polymer, FRP, or stainless steel with decorative design, tamper-proof stainless steel fasteners, stainless steel mounting brackets and stainless steel assembly hardware.
Bottom Mounting Fiddle: Fiddle to be constructed from FRP or Polymer with tamper-proof stainless steel fasteners, stainless steel mounting brackets and stainless steel assembly hardware.

Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Oklahoma Joe (Cowboy Silhouette) Qty 1
The Cowboy Silhouette standard structure height is 8', constructed of 2 ½" 304 stainless steel tubing that has a rolled circular rope with a total of (18) spray orifices emitting a cascading water effect with a spray radius up to 6' in diameter. Attached to the structure are polymer accent panels. Water Feature structure is mounted directly in a concrete footing. Feature flow rates can be adjusted between 6 – 18 GPM'S to increase/decrease flow rate. The manufacturer shall supply a complete assembly including: tubular pipe structure, anchoring system, gasket and tamper-proof stainless steel fasteners.
Angles, edges, cutouts and components will be *Design Build*
Structure: Structure will have (2) components: tubular structure and Cowboy Silhouette. These individual components to be assembled in the field with tamper-proof stainless steel fasteners, stainless steel hardware and gaskets supplied by the manufacturer. All sharp edges and corners will be break and deburr.
Tubular Structure: Structure shall be a 2 ½" O.D. 304 stainless steel tubing set 16" x 20" footing detail in concrete. There will be weld tabs on tubing to attach (2) Sided Cowboy Silhouette
Cowboy Silhouette: Cowboy Silhouette to be constructed from Polymer with tamper-proof stainless steel fasteners for securing Cowboy Silhouette to tubular structure.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Piedmont's Longhorn Qty 1
The Longhorn standard structure height is 5' – 7' in width. Water Feature to be constructed from rolled 4" O.D. stainless steel tubing that will consist of (2) water rings each consisting of (5) fan spray nozzles with water emitting a sheeting water fan effect at an angle from ½" spray nozzles, an interactive tail that when pulled activates spray nozzles fabricated into horns. Water Feature flow rates can be adjusted between 8 – 24 GPM'S to increase/decrease the flow rate. The manufacturer shall supply a complete structure assembly including: Longhorn structure, anchoring system, tamper-proof stainless steel fasteners, gaskets, and stainless steel hardware.
Structure: Structure to have (4) components: tubular structure (2-Water Rings), interactive horns and interactive tail. These individual components to be assembled in the field with stainless steel hardware and high density polymer spray nozzles supplied by the manufacturer.
All angles, bends and components will be *Design Build*
Tubular Structure: Structure shall be rolled 4" O.D. 304 stainless steel tubing set (2) 16" x 18" footing detail in concrete.
Horns: Horns fabricated from 304 stainless steel tubing to water rings replicating Longhorns, (2) ½" spray nozzles.

Tail: Tail to be fabricated from 304 stainless steel tubing with a internal pressure valve activator with gasket and tamper-proof stainless steel fasteners.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

Wild West BD3 Qty 1
The Wild West BD3 (3 – Bucket Dump) standard structure height is 10', constructed from 4 ½" O.D. 304 stainless steel tubular post that has (3) fiber glass gel coated buckets that are counter balanced and when filled with water it dumps water below with a slash radius of 10'. Water Feature structure is mounted directly in a footing detail in concrete. Water Feature flow rates can be adjusted between 10 – 18 GPM'S to increase/decrease the flow rate.
The manufacturer shall supply a complete structure assembly including; bucket dump assembly, anchoring system, fasteners, gaskets, and hardware.
Structure: Structure to have (2) components: tubular structure and buckets. These individual components to be assembled in the field with stainless steel tamper proof hardware and gaskets supplied by the manufacturer.
Tubular Structure: Structure shall be a 4 ½" O.D. 304 stainless steel tubing set 18" x 18" footing detail and concrete.
Buckets: The buckets to be constructed of Fiberglass and a gel coat finish with brass bushings and stainless steel tamper proof assembly hardware.
Finish: All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish to provide color protection in indoor or outdoor installations.
Colors: Owner may select colors for each individual component.

One Sided Water Tunnel – 4 Spray Heads Qty 1
The One – Sided Water Tunnel is a ground spray element that combines (4) Geysers inline attached with 304 stainless steel flat bar separating Geyser housings 3' a part emitting streams of water arching outward creating a visual water tunnel. The feature flow rates can be adjusted between 18 – 42 GPM'S to increase/decrease the flow rate. The Geyser is designed for wet deck applications with no standing water. The Geyser is to be cast into thickened concrete pad with Spray Puc flush with finished surface. The manufacturer shall supply a complete assembly including: Stainless Steel Geyser Housing, Stainless Steel Flat Bar, Arch Spray Puc, Spray Puc installation/extraction tool.
Geyser Housing: The Geyser Housing is constructed of 304 stainless steel with 304 stainless steel fittings. The Geyser Housing is designed to be completely encapsulated into a thickened concrete slab designed by us.
Spray Puc : Spray Puc's are manufactured from heavy-duty polymer. Spray Puc threads into Geyser housing with a Spray Puc installation/extraction tool. Geyser Housing creates a clear stream water effect with a designed spray height of 5ft.
Colors: The top of Spray Puc to be set flush with finished surface and will be black in color.

Spider Geyser Qty 4
The Spider Geyser is a ground spray element that emits (8) vertical streams of water that when reaches spray height, spray pattern will replicate spider legs. The feature flow rates can be adjusted between 2 – 6 GPM's to increase/decrease the flow rate. The Spider Geyser is designed for wet deck applications with no standing water. The Spider Geyser is to be cast into thickened concrete pad with Spray Puc flush with finished surface. The manufacturer shall supply a complete assembly including: Spider Spray Puc, Spray Puc installation/extraction tool.
Spider Geyser Housing: The Spider Geyser is constructed of 304 stainless steel with stainless steel fittings. The Spider Geyser is designed to be completely encapsulated into a thickened concrete slab designed by us.
Spider Spray Puc : Spider Spray Puc's are manufactured from heavy-duty polymer. Spider Spray Puc's thread into Spider Geyser Housing with a Spray Puc installation/extraction tool. Spider Geyser creates multiple clear streams of water to replicate spider legs with a design spray height of 2' – 4'.
Colors: The top of Spider Spray Puc to be flush with finished surface and will be black in color.

Gusher Geysers Qty 8
The Gusher Geysers is a ground spray element that emits a heavy bodied, aerated mound of water. The feature flow rates can be adjusted between 5 – 10 GPM's to increase/decrease the flow rate. The Gusher Geysers is designed for wet deck applications with no standing water. The Gusher Geysers to be cast into thickened concrete pad with Spray Puc flush with finished surface. The manufacturer shall supply a complete assembly including: Stainless Steel Geyser Housing, Spray Puc, Spray Puc installation/extraction tool.
Gusher Geyser Housing : The Gusher Geyser Housing is constructed of 304 stainless steel with 304 stainless steel fittings. Gusher Geyser Housing is designed to be completely encapsulated into thickened concrete slab designed by us.
Spray Puc : Gusher Geyser Spray Puc's are manufactured from heavy-duty polymer. Spray Puc threads into Geyser housing with a Spray Puc installation/extraction tool. Gusher Geyser creates a vertical heavy body water effect with a design spray height of 3ft.
Colors: The top of Spray Puc to be flush with finished surface and will be black in color.

Geyser – Single Spray Qty 8
The Geyser is a ground spray element with Geyser emitting a clear stream of water arching vertically diagonally. The feature flow rates can be adjusted between 2 – 6 GPM's to increase/decrease the flow rate. The Geyser is designed for wet deck applications with no standing water. The Geyser is to be cast into thickened concrete pad with Spray Puc flush with finished surface. The manufacturer shall supply a complete assembly including: Single Spray Geyser, Spray Puc, and Spray Puc installation/extraction tool.
Geyser: The Geyser is constructed of 304 stainless steel with stainless steel fittings. The Geyser is designed to be completely encapsulated into a thickened concrete slab designed by us.

Spray Puc : Spray Puc's are manufactured from heavy-duty polymer. Spray Puc threads into stainless steel Geyser housing with a Spray Puc installation/extraction tool. Spray Puc creates a clear stream water effect with a design spray height of 5ft.
Colors: The top of Puc fitting to be flush with finished floor and be black in color.

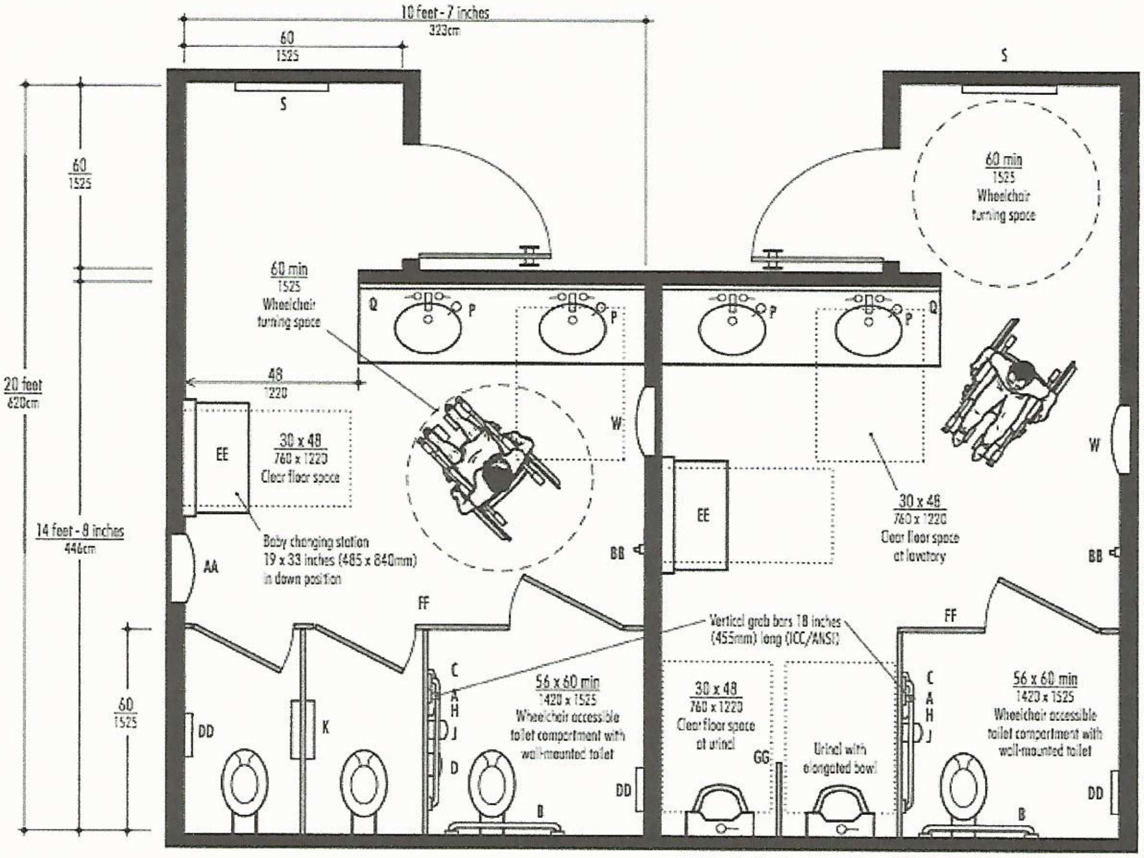
Components:

Electronic Water Management Control System
The Electronic Water Management Control System (EWMCS) controls water flow, spray sequences, intervals of operation, hours of operations, mp3 capabilities, water conservation modes, multi-zone operating features, and other functions. It comprises a System Controller, polished 304 stainless steel electronic water distribution manifold, pressure control and backflow preventer and is activated by a 304 stainless steel push button bollard. The (EWMCS) can be housed in a subterranean vault, an above-grade cabinet or in a wall-mounted configuration, depending on the site condition.

Recirculation System
The Recirculation System is comprised of multiple components that will effectively and efficiently operate the splash pad. Components are as listed;
1- Pentair EQK Commercial Plastic 7.5 HP Pump w/Strainer
1- Pentair Whisperflo 1 HP Standard Efficiency Up-Rated Pool Pump
1- Pentair Triton 2 Side Mount Sand Filter – 98GPM.
1- Haywood Filter Vari Flo 2" Multiport Valve For DE Filters
1- Acu-Trol AK 110 PS-A Commercial Controller, Ph, Orp, Temp, Fc.
1- Little Giant 2E-NDVR Pump, Mild Acid 1/40 HP
1- Pentair R172540 Rainbow Bromine Dispenser
1- In Ground Water Storage Tank, 1,500 Gallon Capacity
1- U/V ELP 28 HO-PE Unit w/Controller
Recirculation System Will Meet Health Department Specifications & Facility Needs

Public Restrooms and Pump/Control/Supply Room:

Public Restrooms and Pump/Control/Supply Room will be constructed in one building with (3) separate entrances. There will be (1) entrance for the Men's room, (1) entrance for the Women's room, and (1) entrance for the Pump/Control/Supply room. Building will be 35' x 22' overall, constructed on a concrete pad with floor drains. Electrical, Plumbing, Structural & Ventilation Built Specific to Local Code. Interior will be FRP, Green board, and Paint Floors to Ceiling.
Exterior will have Hardy Plank with a 4' high Brick perimeter surrounding building. Roofing will be 26g Sheet metal with guttering. Public Restroom will be constructed to be ADA Compliant. There will also be wall-mounted baby changing stations and the option of an electric hand dryer or a combo paper towel dispenser with wastebasket in each restroom.
See Attachment for restroom layout.
Men's Restrooms will be 20' x 11' and will include (2) stand-up Latrines with Petitions and (1) ADA compliant lavatory with petitions. (2) ADA compliant sinks with countertops and mirrors.
Women's Restrooms will be 20' x 11' and will include (2) standard lavatories with Petitions and (1) ADA compliant lavatory with petitions. (2) ADA compliant sinks with countertops and mirrors.
Pump/Control/Supply Room will be 15' x 22' and will be sufficient space to house the recirculation system to operate splash pad. (1) 12" x 12" x 12" floor drain set in concrete to sewer. Pump room electrical must have no less than (8) service outlets total consisting of; (6) 20 amp breakers, (1) 20 amp 3 – phase breaker, (1) 30 amp 3 – phase breaker, 1" water supply line stubbed out (Auto Fill).
Structural, Electrical, Plumbing & Windstorm will be to local/state code requirements.


10 feet - 7 inches
323cm
60
1525
S
60
1525
60 min
1525
Wheelchair turning space
48
1220
20 feet
620cm
EE
30 x 48
760 x 1220
Clear floor space
14 feet - 8 inches
446cm
AA
Baby changing station
19 x 33 inches (485 x 840mm)
in down position
Q
P
W
BB
FF
60 min
1525
Wheelchair turning space
30 x 48
760 x 1220
Clear floor space
at lavatory
Vertical grab bars 18 inches
(455mm) long (ICC/ANSI)
C
A
H
J
D
56 x 60 min
1420 x 1525
Wheelchair accessible
toilet compartment with
wall-mounted toilet
DD
K
B
30 x 48
760 x 1220
Clear floor space
at urinal
GG
Urinal with
elongated bowl

LEGEND
A B-5806 x 18 Vertical Grab Bar
B B-5806 x 36 Horizontal Grab Bar
C B-5806 x 42 Horizontal Grab Bar
D B-270 Surface-Mounted Sanitary Napkin Disposal (mounts below grab bar)
E B-2740 Surface-Mounted Double-Roll Toilet Tissue Dispenser, no controlled delivery (mounts below grab bar)
F B-301 Recessed Toilet Seat Cover Dispenser (mounts below grab bar)
G B-353 Recessed Sanitary Napkin Disposal (mounts below grab bar)
H B-4221 Surface Mounted Toilet Seat Cover Dispenser (mounts below grab bar)
J B-4288 Surface-Mounted Multi Roll Toilet Tissue Dispenser (mounts below grab bar)
K B-357 Partition-Mounted Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Tissue Dispenser with Theft-Resistant Spindle (serves two compartments)
L B-3574 Recessed Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Tissue Dispenser on right when facing unit with Theft-Resistant Spindle
M 819843 Recessed Toilet Seat Cover Dispenser, Sanitary Napkin Disposal, Toilet Tissue Dispenser on left when facing unit with Theft-Resistant Spindle
N B-822 Lavatory-Mounted Soap Dispenser
P B-824 Automatic, Universal Countertop-Mounted Soap Dispenser
Q B-165 Series Wall-to-Wall Mirror
R B-165 Series Mirror, 18" W x 36" H (455 x 915mm)
S B-165 Series Full-Length Mirror, 24" W x 60" H (610 x1525mm)
T B-318 Recessed Paper Towel Dispenser
U B-369 Recessed Paper Towel Dispenser and Waste Receptacle
V B-526 Paper Towel Dispenser
W B-43944 Recessed Paper Towel Dispenser and Waste Receptacle
X B-3644 Recessed Waste Receptacle
Y B-529 Circular Waste Chute
Z B-7128 Surface-Mounted Hand Dryer
AA B-4706 Recessed Sanitary Napkin/Tampon Vendor
BB B-687 Door Bumper
CC B-76727 Double Robe/Clothes Hook
DD KB102-00 Wall-Mounted Child Protection Seat
EE KB110-SSWM Horizontal, Wall-Mounted Baby Changing Station
FF 1031 Series Floor-Anchored Laminated Plastic Toilet Compartments
GG 1035 Series Wall-Hung Urinal Screen
HH 1542 Series Overhead-Braced Laminated Plastic Toilet Compartments